Approval Expires: 01/91

\$EPA

EPA Form 9350-1 (1-88)

U.S. Environmental Protection Agency TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

EPA FORM

Page 1 of 5

	Section 313, Title III of The Superfund Amendments and Reauthoriz	zation	Act of 1986
	PART I. F/ CILITY IDENTIFICATION INFORMATION		(This space for EPA use only.)
1.1	Does this report contain trade secret information? 1.2 is this a sani Yes (Answer 1.2) No (Do not answer 1.2) Yes		py? 1.3 Reporting Year No 1987
l hereby and com of this re	IFICATION (Read and sign after completing all sections.) certify that I have reviewed the attached documents and that, to the best of my knowledge and that the amounts and values in this report are accurate based on reasons port. official title of owner/operator or senior management official	nowledg able est	e and belief, the submitted information is true imates using data available to the preparers
Signature	William Kosen	Date	signed
3.1 City Sta 3.3 Tec 3.3 3.4 Put 3.5 31 3.6 Put 3.7 Put	SEATLE Zip Code Zip Code General Contact General Contact	(200	This report contains information for: (check one) a. An entire covered facility. b. Part of a covered facility. hone Number (include area code) () (23 - 5 800) hone Number (include area code)) - Where to send completed forms: U.S. Environmental Protection Agency P.O. Box 70266 Washington, DC 20024-0266 Attn: Toxic Chemical Release inventory
3.9 a. /	ES Permit Number(s) b. He of Receiving Stream(s) or Water Body(s)		
3.10 b.	lerground Injection Well Code (UiC) Identification No.		
3.11	ENT COMPANY INFORMATION		
	ALASKAN COPPER CO.S	11	
42	PIOI - 1912157 - 1515171	11	

EPA FORM R
PART II. OFF-SITE LOCATIONS TO WHICH TOXIC CHEMICALS ARE TRANSFERRED IN WASTES

(This space for EPA use only.)

1. PUBLICLY OWNED TREA MENT WOR	KS (POTW)	
Facility Name		
MEIRO		
Street Address 322 West EWI	NG-	
City //	County	
Seattle	Kuig	
State	Zip d	
U/#	9181/1/161-1111	
2. OTHER OFF-SITE LOCATIONS - Num	ber these locations sequentially	on this and any additional page of this form you use.
1 Other off-site location		
	D1015181316171/1512	
Facility Name		
North West ENVIRDES	SYSTEMS INC.	
Street Address	'	
City 1500 AIRPORT WAY	SOUTH	
Seattle	County KIN9	
State W A	21p 9 18 1 1 2 14 1 - 1 1 1 1 1	
is location under control of reporting facility or pa	Yes No	
Other off-site location		
EPA Identification Number (RCRA ID. No.)		
Facility Name		
•		
Street Address		
City	County	
City	Joseph J. Committee of the Committee of	
State	Zip .	
1 g3		
Is location under control of reporting facility or p	arent company?	
	Yes No	
Other off-site location		
EPA Identification Number (RCRA ID. No.)		
Facility Name		
Street Address		. 6
City	County	
State	Zip	
	<u> </u>	
is location under control of reporting facility or p		
	Yes No	
Check if additional pages of Part II are attache	d.	
L J Shoot in additional pages of the state of attacks		

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(This	space	for	EPA	use only.)

PART III. CHEMIC	PA FOR		INFORM	ATION									
TAN III OTENIA	JAL 01 L		inti Orijivi	ATION									
		1											
1. CHEMICAL IDENTITY						nulli							
1.1 Trade Secret (Provide a generic	name in	1.4 belo	w. Attac	ch substan	tiation Copys		D "						
1.2 CAS # 0 0 7 4 4 0 - 4	7-3	(Use le	eading zer	os if CAS	numb ahron	mm 2	5						
1.3 Chemical or Chemical Category Name CHromium Magnuse 208													
1. CHEMICAL IDENTITY 1.1 Trade Secret (Provide a generic name in 1.4 below. Attach substantiation 1.2 CAS # 0 0 7 4 40 - 4 7 - 3 (Use leading zeros if CAS numb Chemical or Chemical Category Name CHromium CHromiu													
MIXTURE COMPONENT IDENTITY (Do not complete this section if you have completed Section 1.)													
MIXTURE COMPONENT IDENTITY (Do not complete this section if you have completed Section 1.) 2. Generic Chemical Name Provided by Supplier (Limit the name to a maximum of 70 characters (e.g., numbers, letters, spaces, punctuation)).													
3. ACTIVITIES AND USES OF THE CHE	MICAL A		-		all that apply.)								
3.1 Manufacture: a. Produce		ь.	X Impo	ort	c.	For on-site use/processing	ng						
d. For sale/	on	е.	As a	byproduc	et f.[As an impuri	ty						
3.2 Process: a. As a read	etant	ъ.	As a	formulatio	on c.	As an article							
d. Repackaç	component component												
3.3 Otherwise Used: a. As a chemical processing aid b. As a manufacturing aid c. Ancillary or other use													
4. MAXIMUM AMOUNT OF THE CHEM	ICAL ON	CITE A	TANV	TIME DU	DING THE CALE	NDAR VEAR							
(enter code)	ICAL ON	3112 2	NI ANI	THVIE DO	AING THE CALE	NOAN TEAN							
5. RELEASES OF THE CHEMICAL TO TI	HE ENVIE	ONME	NT										
				otal Relea (lbs/yr)	ise	B. Basis of Estimate							
You may report releases of less than		B	A.1 eporting I		A.2 Enter	(enter code)							
1,000 lbs. by checking ranges under A.1.		0	1-499	500-999	Estimate		Pla.						
5.1 Fugitive or non-point air emissions	5.1a		\times			5.1b							
5.2 Stack or point air emiss ons	5.2a	$ \times $	ļ.			5.2b O							
5.3 Discharges to water 5.3.1	5.3.1a					5.3.1b	C. % From Stormwater 5.3.1c						
(Enter letter code from Part I Section 3.10 for streams(s).) 5.3.2	5.3.2a		3.			5.3.2b	5.3.2c N/A						
5.3.3	5.3.3a					5.3.3b	5.3.3c NA						
5.4 Underground injection	5.4a	X				5.4b Q							
5.5 Releases to land	5.5.1a		X			5.5.1b O							
5.5.1 DOZ (enter code)	5.5.2a					5.5.2b							
5.5.2 (enter code) 5.5.3 (enter code)	5.5.3a					5.5,3b							
	5.5.3 (enter code) 5.5.3a (Check if additional information is provided on Part IV-Supplemental Information.)												

(This	space	for	EPA	use	only.)	

PART	III. CHEMIC	AL SPE	CIFIC II	NFORM	ATION		j j					
1. CHEMICAL IDENTITY												
1.1 Trade Secret (Pro	vide a generic	name in 1	l.4 belo	w. Attac	h substantia	ition form to this	submission.)					
1.2 CAS # OO7440-47-3 (Use leading zeros if CAS number does not fill space provided.)												
1.3 Chemical or Chemical Category Name CHromium												
Generic Chemical Name (Complete only if 1.1 is checked.) 1.4												
MIXTURE COMPONE	NT IDENTITY	(Do not	complete	e this sec	tion if you h	nave completed Se	ection 1.)					
MIXTURE COMPONENT IDENTITY (Do not complete this section if you have completed Section 1.) 2. Generic Chemical Name Provided by Supplier (Limit the name to a maximum of 70 characters (e.g., numbers, letters, spaces, punctuation)).												
3 ACTIVITIES AND USES	DE THE CHE	MOAL A	T TUE :		. /C! ! !							
3. ACTIVITIES AND USES		VIICAL A		L		il that apply.)						
3.1 Manufacture: a.	Produce		b. [X Impo	ort	c. [For on-site use/process	ing				
d.	For sale/ distribution	on	e.[As a	byproduct	f. [As an Impu	rity				
3.2 Process: a.	As a reac	tant	ъ.[formulation onent	c.[As an article	е				
d.	Repackag	ing only					·	4				
3.3 Otherwise Used: a.	As a chen processing	nical g ald	b. [As a	manufactur	ing ald c.	Ancillary or	other use				
4 MANUALINA ANGUNIT OF	- TILE OLIELA											
4. MAXIMUM AMOUNT OF	- THE CHEM	ICAL ON	SILE	TANY	IME DURI	NG THE CALE	NDAR YEAR					
(enter code)							***************************************					
5. RELEASES OF THE CHE	MICAL TO TH	HE ENVIR	ONME	NT								
				A. T	otal Release (lbs/yr)	9	B. Basis of Estimate					
You may report releases of le 1,000 lbs. by checking ranges	ss than		B.	A.1 porting		A.2 Enter	(enter code))				
Troop iso. by oneoning ranges	undor A.T.		0	1-499	500-999	Estimate						
5.1 Fugitive or non-point al	r emissions	5.1a		×			5.1b					
5.2 Stack or point air emiss	ons	5.2a	\times				5.2b					
5.3 Discharges to water	5.3.1	5.3.1a					5.3.1b	C. % From Stormwater 5.3.1c				
(Enter letter code from Part I Section 3.10 for streams(s).)	5.3.2	5.3.2a					5.3.2b	5.3.2c N/A				
	5.3.3	5.3.3a					5.3.3b	5.3.30 N/A-				
5.4 Underground injection		5.4a	×				5.4b 🕡					
5.5 Releases to land	(a)	5.5.1a		X			5.5.1b O					
5.5.1		5.5.2a					5.5.2b	7				
5.5.3 (enter coo	5.5.2 (enter code)											

 $(\mathbf{L}_{i}, \mathbf{L}_{i}) = \mathbf{E}_{i} = \mathbf{E}_{i} = \mathbf{E}_{i}$

PART IV. SUPPLEMENTAL INFORMATION

Use this section if you need additional space for answers to questions in Parts I and III. Number or letter this information sequentially from prior sections (e.g., D,E, F, or 5.54, 5.55).

(This space for EPA use only.)

ADDITIONAL INFORMATION ON	FACILITY IDEN	TIFICATION	I (Part I-	- Section :	3)						
3.5 3141918	<u> </u>	 -									
3.7 O O - 9 3 5 - 5 5	1711 - 1	-111	1-1 1								
3.8 EPA Identification Number(s) RCRA I. W A D 9 8 0 17 3 8	D. No.)										
NPDES Permit Number(s)											
Name of Receiving Stream(s) or Wa	er Body(s)		11	//							
3.10			4	la							
ADDITIONAL INFORMATION ON	RELEASES TO	LAND (\.\ <u>\</u>	**************************************				
Releases to Land							B. Basis of Estimate				
		A.1 Reporting P 0 1–499	_		4.2 inter timate		(enter code)				
5.5 (enter code)	5.5a	X				5.5	_ь О				
5.5 (enter code)	5.5a					5.5	b				
5.5 (enter code)	5.5a					5.5	b				
ADDITIONAL INFORMATION ON	OFF-SITE TRAN	JSFFR / Pa	rt III – Se	ction 6)							
	1	A.Total	Transfers		T	B. Basis of	C. Type of Treatment/				
	ļ	A.1	lbs/yr)	A.2	,	Estimate (enter code)	Disposal (enter code)				
	P 0	eporting Rar 1–499	nges 500-999	Ent Estim	er						
6 Discharge to POTW	6a	X			(6ь О					
6. Other off-site location (Enter block number from Part II, Section 2.)	6a	X			(6ь О	6c. M72				
6. Other off-site location (Enter block number from Part II, Section 2.)	6a					6ь 🗌	6c.				
ADDITIONAL INFORMATION ON	WASTE TREAT	MENIT (Par	t III - Sa/	otion 7)							
A. General Wastestream B. Tr (enter code) M	eatment ethod	C. Range Influen	of	D. Sequer Treatm		E. Treatment Efficiency	F. Based on Operating				
(8	nter code)		ntration code)	(check applica	if able)	Estimate	Data? Yes No				
7a W 7b M	161	7c	3	7d	X 7	′e O	% 7f \X				
7a 7b		7c		7d [′. <u> e </u>	% 7f				
7a 7b		7c		7d [′e	% 7f				
7a 7b		7c		7d	7	'ө	% 7f				
7a 7b		7c		7d	7	7e	% 7f				

PART IV. SUPPLEMENTAL INFORMATION

Use this section if you need additional space for answers to questions in Parts I and III. Number or letter this information sequentially from prior sections (e.g., D,E, F, or 5.54, 5.55).

(This space for EPA use only.)

ADDITIONAL INFORM	AND MOITAN	ACILITY I	DENT	IFICATION	ا (Part I	- Sect	ion 3)					
3.5 3141918												
3.7 Dun & Bradstreet Number(s) 3.7 D D -192151 - 1515171/												
3.8 EPA Identification Number(s) RCRA I.D. No.) WIAIDI918 0 17 13181514 49												
NPDES Permit Number(s) 3.9												
Name of Receiving Stream(s) or Water Body(s)												
3.10												
ADDITIONAL INFORM	TATION ON F	RELEASES	TO L	AND (Pai	rt III – Se	ection (5.5)	-		•		
ADDITIONAL INFORMATION ON RELEASES TO LAND (Part III - Section 5.5) Releases to Land A. Total Release (lbs/yr) B. Basis of												
			0	A.1 Reporting F	_	99	A.2 Enter Estimate			(Estimate enter code)	
5.5_ D 0Z.(enter code)	5.5a		X					5.	5	_b O	
5.5(0	enter code)	5.5a						5.5b				
5.5(0	enter code)	5.5a							5.	5	_b 🗌	
ADDITIONAL INTEREST	ADDITIONAL INFORMATION ON OFF-SITE TRANSFER (Part III - Section 6)											
ADDITIONAL INFORM	IATION ON C	OFF-SITE	TRANS		rt III - S Transfe		6)	10.	Deals of	Τ_	T / T /	
					lbs/yr)			E	Basis of Stimate	-	. Type of Treatment/ Disposal (enter code)	
			Re 0	A.1 porting Rai 1–499	nges 500-999		A.2 Enter Stimate	(6)	nter code)			
6 Discharge to POTV	<i>N</i>	6a		X	300-999			6	b 0	1		
Other off-site local	er [[]	6a		X				+	 _ь О	+	. o. M72	
from Part II, Section Other off-site location 6. (Enter block number	tion []			/ \			······································	+		6		
6. (Enter block number from Part II, Section	on 2.)	6a				<u> </u>		6	_b []	6	c.	
ADDITIONAL INFORM	AATION ON V	WASTE TR	EATM	1ENT (Par	t III – Se	ction 7)					
A. General Wastestream (enter code)	Me	atment thod ter code)				Tro (ci	quential eatment? neck if plicable)		Treatment Efficiency Estimate		F. Based on Operating Data? Yes No	
7a W	7b M	61		7c	3	7d	X	7	• 🔿	%	7f \(\sum_{\text{X}} \)	
7a	7b			7c		7d		7	······	%	7f	
7a	7b			7c		7d		7	e.	%	7f	
7a	7ь			7c		7d		7		%	7f	
F-1	7. b	T 1		7. c		7. d		7.	e	%	7. f	

			EPA	FORM I	7, Part	III (Cor	ntinue	ed)				Page	4 of 5	
6. TRANSFERS	OF THE CHEMIC	AL IN W	ASTE TO	OFF-SI	E LOCA	TIONS								
You may report of less than 1,0	transfers 000 lbs. by checking		(!	Transfers bs/yr)			В. Е		Estimate code)	C	Disposa	f Treatr al (ente		1)
ranges under A	. 1.	Repo	A.1 A.2 orting Ranges Enter Estimate											
6.1 Discharge to					\times			6.1b						
Other off-site location (Enter block number from Part II, Section 2.)			\times					6.2b	2		6.2c	7 7	2	
6.3 Other off-sit (Enter block from Part II,								5.3b]		6.3c			
6.4 Other off-sit (Enter block from Part II,					•	6.4b]		6.4c					
(Check if	additional informatio	n is provid	ded on Pa	art IV-Sup	plemental	Informat	tion)							
							· · · · · · · · · · · · · · · · · · ·							
7. WASTE TRE	ATMENT METHO	OS AND E	EFFICIE	NCY					·····					
A. General Wastestream (enter code)	B. Treatmer Method (enter co		ln C	ange of fluent oncentration enter code	on	Sequentia Freatmer check if applicable	1t?	E	reatment fficiency stimate		(Based o Operati Data? Yes		
7.1a	7.1b	8	7.1c	3	7.1d	2		7.1e	0	%	7.1f	18		1
7. a 🔂	7.2b M 7	2	7.2c		7.2d]	7.2e		%	7.2f		Ĺ	<u></u>
7.3a	7.3b		7.3c		7.3d			7.3e		%	7.3f			Ĵ
7.4a 🔲	7.4b		7.4c		7.4d]	7.4e		%	7.4f			\int
7.5a	7.5b		7.5c		7.5d			7.5e		%	7.5f]
7.6a	7.6b		7.6c		7.6d			7.6e		%	7.6f]
7.7a	7.7b		7.7c		7.7d			7.7e		%	7.7f]
7.8a	7.8b		7.8c		7.8d]	7.8e		%	7.8f]
7.9a	7.9b		7.9c		7.9d			7.9e		%	7.9f]
7.10a	7.10b		7.100	<u> </u>	7.10	1]	7.10e		۴,,	7.10f]
7.11a	7.11b		7.110		7.11	4		7.11e		%	7.11f			<u>]</u>
7.12a	7.12b		7.120	; <u> </u>	7.12	d		7.12e		%	7.12f			<u>]</u>
7.13a	7.13b		7.130	; <u> </u>	7.13	d		7.13e		%	7.13f			<u>]</u>
7.14a	7.14b		7.140		7.14	d L		7.14e		%	7.14f]
(Chec	k if additional inforn	nation is p	rovided o	on Part IV-	-Suppleme	ntal Info	rmatio	on.)						
(Indicate actio	INFORMATION Ons taken to reduce explanation of what	the amou	nt of the	chemical		ased fro	m the	facility.	See the	instr	ructions f	or code	d	
A. Type of modific	ation p	Quantity of prior to tre		emical in th disposal	e wastes	ream	С	. Inde	·	D.	Reason f (enter c		n	
		Current reporting year (lbs/	,	Prior year (lbs/yr)	Or perd change	ent			7					

(This space for EPA use only.)

PART IV. SUPPLEMENTAL INCOMMATION

Use this section if you need additional space for answess to questions in Parts I and III. Number or letter this information sequentially from prior sections (e.g., D,E, F, or 5.54, 5.55).

		10									
ADDITIONAL INFORMATION ON F	ACILITY IDE	NTIFICATION	(Part I -	Section 3)							
3.5 3 4 9 8											
3.7 Dun & Bradstreet Number(s)	71/		-11	1 1							
3.8 W A D 9 8 0 7 3 8 5 4 6											
W H D Y 8 O / 3 8 S Y W											
Name of Receiving Stream(s) or Water Body(s)											
3.10											
ADDITIONAL INFORMATION ON F	RELEASES TO	LAND (Part	t III – Sec	etion 5.5)							
ADDITIONAL INFORMATION ON RELEASES TO LAND (Part III - Section 5.5) A. Total Release (lbs/yr) B. Basis of Estimate											
		A.1 Reporting R. 0 1–499	anges 500-999	A.2 Ente Estima	r		(enter code)				
5.5 D O Z (enter code)	5.5a	X				5.5	_ 6				
5.5 (enter code)	5.5a					5.5	ь 🗌				
5.5 (enter code)	5.5a					5.5	b				
	SEE OUTE TO	ANCEED (Do	-+ 111 - 6-0	otion 6\							
ADDITIONAL INFORMATION ON C	JFF-SILE IN		Transfer		E	B. Basis of	C. Type of Treatment/				
			bs/yr)	A.2		Estimate (enter code)	Disposal (enter code)				
		A.1 Reporting Rar 0 1–499	nges 500-999	Enter Estimat	е						
6 Discharge to POTW	6a	X			6	b O					
6. Other off-site location (Enter block number from Part II, Section 2.)	6a	×			6	_ь О	6c. M72				
Other off-site location 6. (Enter block number from Part II, Section 2.)	6a				6	ь 🔲	6c.				
month art in costion 217		ATRACALT /Door	- III So	atlan 7)							
ADDITIONAL INFORMATION ON A. General Wastestream B. Tr	eatment	C. Range		D. Seguentia	al	E. Treatment	F. Based on				
(enter code) Me	ethod nter code)	Influer Conce		Treatmer (check if applicable	nt?	Efficiency Estimate	Operating Data? Yes No				
7. a \$ 7b \(\bar{\Lambda} \)			3	7. d X	7	. 0					
	172	7c	الحا	7d 🔼	7.		% 7f				
7a	172			7d <u>\</u> 7d	- -	e	% 7f				
7a 7b 7b	172	7c			7.	е					
7a	172			7d	7.		% 7f				

EPA FORM $oldsymbol{\mathsf{R}}$ PART III. CHEMICAL SPECIFIC INFORMATION

(This	space	for	EPA	use	only.)

PART III. CHEMICAL SPECIFIC INFORMATION												
1. CHEMICAL IDENTITY												
1.1 Trade Secret (Provide a generic name in 1.4 below. Attach substantiation form to this submission.)												
1.2 CAS # O 7 4 4 O - 4 7 - 3 (Use leading zeros if CAS number does not fill space provided.)												
1.3 Chemical or Chemical Category Name Chrom IUM												
Generic Chemical Name (Complete only if 1.1 is checked.) 1.4												
MIXTURE COMPONENT IDENTITY (Do not complete this section if you have completed Section 1.) 2. Generic Chemical Name Provided by Supplier (Limit the name to a maximum of 70 characters (e.g., numbers, letters, spaces, punctuation)).												
3. ACTIVITIES AND USES OF THE CHEM	/ICAL AT	THE	ACILITY	(Check	all that apply.)							
3.1 Manufacture: a. Produce		ъ.	Impo	rt	c. [For on-site use/processing	g					
d. For sale/ distributio	n	e.[As a	byproduc	t f.	As an impurit	у					
3.2 Process: a. As a reactant b. As a formulation c. As an article component												
d. Repackaging only												
3.3 Otherwise Used: a. As a chemical processing aid b. As a manufacturing aid c. Ancillary or other use												
4. MAXIMUM AMOUNT OF THE CHEM	CAL ON	SITE A	TANYT	IME DUE	RING THE CALEN	IDAR YFAR						
06 (enter code)												
5. RELEASES OF THE CHEMICAL TO TH	IE ENVIR	ONME	NT									
			A. To	otal Relea (lbs/yr)	se	B. Basis of Estimate						
You may report releases of less than 1,000 lbs. by checking ranges under A.1.		0 R	A.1 epor ing F 1–499	Ranges 500-999	A.2 Enter Estimate	(enter code)						
5.1 Fugitive or non-point air emissions	5.1a		X			5.1b		:				
5.2 Stack or point air emissions	5.2a	×				5.2b						
5.3 Discharges to water 5.3.1	5.3.1a				- 1-1.	5.3.1b	C. % Fro 5.3.1c	m Stormwater				
(Enter letter code from Part I Section 3.10 for streams(s).) 5.3.2	5.3.2a					5.3.2b	5.3.2c	N/A				
5.3.3 V A-	5.3.3a					5.3.3b	5.3.3c	N/A				
5.4 Underground injection	5.4a	X				5.4b						
5.5 Releases to land 5.5.1a												
5.5.2 (enter code)	5.5.2a	ļ				5.5.2b						
5.5.3 (enter code)	5.5.3a					5.5.3b						
(Check if additional information is provided on	Part IV-Sup	plement	al Informati	ion.)		·····						

		~~		-,1610 111 (0		V 44.)		raye 4 01 5
6. TRANSFERS OF TH	HE CHEMICAL IN			E LOCATIONS		Back of Estim	ato I	C. Tung of Treetment/
You may report transfer of less than 1,000 lbs.	s by checking	A.Total (lb		_ B.	Basis of Estim (enter code)	C. Type of Treatment/ Disposal (enter code)	
ranges under A.1.	R 0	A.1 eporting Rar 1-499	A.2 Enter Estimate					
6.1 Discharge to POTW		\times				6.1b		
Other off-site location 6.2 (Enter block number from Part II, Section	1 [] [\times				6.2b		6.2c M72
6.3 Other off-site location (Enter block number from Part II, Section	on					6.3b		6.3c
6.4 Other off-site locatil (Enter block number from Part II, Section						6.4b		6.4c
(Check if addition	nal information is pro	ovided on Pa	rt IV-Supp	lemental Inforn	nation)			
7. WASTE TREATME						T = +		1
A. General Wastestream (enter code)	B. Treatment Method (enter code)	Inf Co	inge of luent incentration nter code)	D. Sequer Treatn (check applica	nent? : If	E. Treatm Efficier Estima	CY	F. Based on Operating Data? Yes No
7.1a S 7.1b	M712	7.1c	3	7.1d	X	7.1e	%	
7.2a 7.2b		7.2c		7.2d		7.2e	%	7.2f
7.3a 7.3b		7.3c		7.3d		7.3e	%	7.3f
7.4a 7.4b		7.40		7.4d		7.4e	%	7.4f
7.5a 7.5b		7.5c		7.5d		7.5e	%	7.5f
7.6a 7.6b		7.6c		7.6d		7.6e	%	7.6f
7.7a 7.7b		7.7c		7.7d		7.7e	%	7.7f
7.8a 7.8b		7.8c		7.8d		7.8e	%	7.8f
7.9a 7.9b		7.9c		7.9d		7.9e	%	7.9f
7.10a 7.10b		7.100		7.10d		7.10e	%	7.10f
7.11a 7.11b		7.11c		7.11d		7.11e	%	7.11f
7.12a 7.12b		7.120		7.12d		7.12e	%	7.12f
7.13a 7.13b		7.130	· []	7.13d		7.13e	ç;,	7.13f
7.14a 7.14b		7.140	: []	7.14d		7.14e	%	7.14f
(Check if ad	ditional information	is provided o	on Part IV-	Supplemental I	nformat	ion.)		
8. OPTIONAL INFO						· · · · · · · · · · · · · · · · · · ·		
(Indicate actions tak items and an explana	en to reduce the ar ation of what inform	nount of the	chemical I ude.)	being released	from th	e facility. See	the ins	structions for coded
A. Type of modification (enter code)		y of the che treatment/		e wastestream		C. Index	D.	Reason for action (enter code)
	Currer report	ng y	Prior /ear (lbs/yr)	Or percent change				
	year (waryi j	(iDaryr)	l ! %				
	1			ı 70		اللا	i	L

PART IV. SUPPLEMENTAL INFORMATION

Use this section if you need additional space for answers to questions in Parts I and III. Number or letter this information sequentially from prior sections (e.g., D,E, F, or 5.54, 5.55).

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	>s'''''						*****					
ADDITIONAL INFORMATION ON FACILITY IDENTIFICATION (Part I - Section 3)												
3.5 SIC Code _												
Dun & Bradstreet Number(s)												
0 0 - 9 2 5 - 5 5 7 1 -												
3.8 WAD1918	0 17 13 181	5,4,6		1 1	1 1	1 1						
3.9 NPDES Permit Number(s)												
Name of Receiving Stream(s) or Water Body(s)												
ADDITIONAL INFORM	ATION ON F	RELEASES	TO L	AND (Pai	t III – Se	ction 5.5)					
Releases to L	and			A. To	tal Relea (lbs/yr)	se				B. Basis of		
[:	F	A.1 Reporting F	langes		A.2 Enter			Estimate (enter code)		
			0	1-499	-		stimate					
5.5 D 0 2 (e	enter code)	5.5a		Х					5.5	ь О		
5.5 (6	enter code)	5.5a	5.5a							5.5b		
5.5 (e	enter code)	5.5a							5.5	b		
ADDITIONAL INFORM	IATION ON C	FF-SITE	TRANS			***************************************		······				
ADDITIONAL INFORM	IATION ON C	FF-SITE	TRANS	A,To:a	rt III – Se Transfer lbs/yr)	***************************************			imate	C. Type of Treatment/ Disposal (enter code)		
ADDITIONAL INFORM	IATION ON C	FF-SITE		A,To:a	Transfer lbs/yr)	s A Er	2 nter	Est				
	IATION ON C			A.Toba (A.1 porting Fia 1-499	Transfer lbs/yr)	s A Er		Est (ente	imate er code)			
6 Discharge to POT\	N	6a	Re	A.To a (A.1 porting Fia	Transfer lbs/yr) nges	s A Er	nter	Est	imate er code)			
6	W		Re	A.Toba (A.1 porting Fia 1-499	Transfer lbs/yr) nges	s A Er	nter	Est (ente	imate er code)			
6. Discharge to POT\ Other off-site local (Enter block numbe from Part II, Section Part II)	V (lon 1)	6a	Re	A.To a (A.1 porting Fa 1-499 X	Transfer lbs/yr) nges	s A Er	nter	6b	imate er code)	Disposal (enter code)		
6 Discharge to POTV 6 Other off-site local (Enter block number from Part II, Section of the control of the contro	(tion or 2.)	6a 6a 6a	Re 0	A.To:a (A.1 porting Fa 1-499 X	Transfer lbs/yr) nges 500-999	S A Er Esti	nter	6b	imate er code)	Disposal (enter code) 6c. M 7 2		
6 Discharge to POTV 6 Other off-site local (Enter block numbe from Part II, Section of the plack numbe from Part II, Section of the plack numbe from Part II, Section of the plack number from Part II, Section	W Rion or 2.) I on 2.) J AATION ON V	6a 6a 6a	Re 0	A.To:a (A.1 porting Fa 1-499 X X	Transfer lbs/yr) nges 500-999	A Er Esti	nter imate	6b 6b 6b	imate or code)	6c. M 7 2		
6 Discharge to POTV 6 Other off-site local (Enter block number from Part II, Section of the control of the contro	V (lon pr 2.) (lon sr pn 2.) MATION ON V B. Tre	6a 6a 6a	Re 0	A.To:a (A.1 porting Fa 1-499 X X X MENT (Par C. Range Influer Conce	Transfer lbs/yr) nges 500-999	ction 7) D. Seque Treat (chec	ential	6b 6b 6b 6b	imate er code)	F. Based on Operating Data?		
6 Discharge to POTV 6 Other off-site local (Enter block number from Part II, Section from Part II, Section Part III, Section Part II, Sec	V (lon pr 2.) (lon sr pn 2.) MATION ON V B. Tre	6a 6a 6a waste treatment	Re o	A.To:a (A.1 porting Fa 1-499 X X X MENT (Par C. Range Influer Conce	Transfer lbs/yr) nges 500-999	ction 7) D. Seque Treat (chec	ential trment?	6b 6b 6b 6b	eatment ficiency	6c. M 7 2 6c.		
6 Discharge to POT\ 6 Other off-site local (Enter block numbe from Part II, Section 1)	MATION ON Me (en	6a 6a 6a WASTE TF	Re o	A.To:a A.1 porting Fa 1-499 X X X MENT (Pare liftuer Conce (enter	Transfer lbs/yr) nges 500-999 t III - Se of int intration code)	etion 7) D. Seque Treat (chec applic	ential trment? ck if cable)	6b 6b 6b 6b	eatment ficiency timate	F. Based on Operating Data? Yes No		
6 Discharge to POTV 6 Other off-site local (Enter block number from Part II, Section of the property of the prope	Notion on 2.) Ition on 2.) MATION ON Notice of Medical Control on 2.	6a 6a 6a WASTE TF	Re o	A.To:a A.1 porting Fa 1-499 X X X MENT (Pare Influer Conce (enter	Transfer lbs/yr) nges 500-999 t III - Se of int intration code)	ction 7) D. Seque (chec applic	ential trment? ck if cable)	6b 6b 6b 7e	eatment ficiency timate	F. Based on Operating Data? Yes No		
6 Discharge to POTV 6 Other off-site locat (Enter block numbe from Part II, Section Part II,	// (tlon of property)	6a 6a 6a WASTE TF	Re o	A.To:a A.1 porting Fa 1-499 X X X MENT (Par Conce (enter 7c 7c	Transfer lbs/yr) nges 500-999 t III - Se of int intration code)	etion 7) D. Seque Treat (chec applic	ential trment? ck if cable)	Est (ente	eatment ficiency timate	Disposal (enter code)		
6 Discharge to POTV 6 Other off-site locat (Enter block numbe from Part II, Section of the property of the proper	// (tion or 2.) (tion are 2.) // ATION ON N B. Tre Me (en 7b M 7b 7b	6a 6a 6a WASTE TF	Re o	A.To a A.1 porting Fa 1-499 X X X AENT (Par Conce (enter 7c 7c 7c	Transfer lbs/yr) nges 500-999 t III - Se of int intration code)	ction 7) D. Seque (chec applic 7d 7d 7d	ential trment? ck if cable)	Est (ente	imate or code)	F. Based on Operating Data? Yes No 7f X 7f		

/ 								********			
	OF THE CHEMIC			OFF-SIT ransfers	E LOCATIOI		B. Basis of Estim	ate	C. Type of Treatment/		
You may report tr of less than 1,000 ranges under A.1.		(lb	s/yr)	A.2		(enter code)		Disposal (enter code)			
0			ting Ran	ges 500-999	Enter Estimate						
6.1 Discharge to F	POTW		Х				6.1b 0				
Other off-site 6.2 (Enter block no from Part II, S	umber]		х				6.2b		6.2c M 7 2		
6.3 Other off-site (Enter block name of the from Part II, S	location umber ection 2.)						6.3b		6.3c		
6.4 Other off-site (Enter block no from Part II, S	umber						6.4b		6.4c		
(Check if ad	Iditional informatio	n is provide	ed on Pa	rt IV–Supp	olemental Info	rmatio	n)				
·····	TMENT METHOL	S AND E	FFICIEN	ICY							
A. General Wastestream (enter code)	B. Treatmen Method (enter co		Inf Co	nge of luent incentration inter code)	n (che	uential atment1 ck lf icable)	E. Treatm Efficien Estima	icy	F. Based on Operating Data? Yes No		
7.1a S 7	7.1b <u>M</u> 7	2	7.1c	3	7.1d	х	7.1e	0 %	7.1f X		
7.2a7	7.2b		7.2c		7.2d		7.2e	%	7.2f		
7.3a 7	7.3b		7.3c		7.3d		7.3e	%	7.3f		
7.4a 7	'.4b		7.4c		7.4d		7.4e	%	7.4f		
7.5a7	7.5b		7.5c		7.5d		7.5e	%	7.5f		
7.6a 7	7.6b		7.6c		7.6d		7.6e	%	7.6f		
7.7a 7	7.7b		7.7c		7.7d		7.7e	%	7.7f		
7.8a 7	7.8b		7.8c		7.8d		7.8e	%	7.8f		
7.9a 7	7.9b		7.9c		7.9d		7.9e	%	7.9f		
7.10a 7	7.10b		7.10c		7.10d		7.10e	%	7.10f		
7.11a 7	7.11b		7.110		7.11d		7.11e	%	7.11f		
7.12a 7	7.12b		7.120		7.12d		7.12e	%	7.12f		
7.13a	7.13b		7.130		7.13d		7.13e	%	7.13f		
7.14a	7.14b		7.140		7.14d		7.14e	%	7.14f		
(Check	if additional inforn	nation is pr	ovided o	n Part IV-	Supplementa	l Inforr	nation.)				
8. OPTIONAL II	NFORMATION C	N WASTE	MINIM	IIZATION				<u> </u>			
(Indicate action		the amour	nt of the	chemical		ed from	the facility. See	the ins	tructions for coded		
A. Type of modification (enter continuous)	tion I	Quantity of orior to tre	the che atment/	mical in th disposal	e wastestrea	ım	C. Index	D.	Reason for action (enter code)		
		Current reporting	У	Prior	Or percent	t					
	¬	year (lbs/)	r) (lbs/yr)	i 1	٠,					

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PART III. CHEMICAL SPECIFIC INFORMATION											
1. CHEMICAL IDENTITY											
1. CHEMICAL IDENTITY 1.1 Trade Secret (Provide a generic name in 1.4 below. Attach substantiation form to this submission.)											
1.2 CAS # 7 4 4 0 - 5 C	D-8	Use lead	ing zeros	if CAS	number does not fi	ll space provided.)					
1.3 Chemical or Chemical Category Name	Chemical or Chemical Category Name										
Generic Chemical Name (Complete only if 1.1 is checked.) 1.4											
MIXTURE COMPONENT IDENTITY (Do not complete this section if you have completed Section 1.) 2. Generic Chemical Name Provided by Supplier (Limit the name to a maximum of 70 characters (e.g., numbers, letters, spaces, punctuation)).											
3. ACTIVITIES AND USES OF THE CHEN	MICAL AT	THE FA	CILITY	(Check	all that apply.)		1				
3.1 Manufacture: a. Produce d For sale/ distribution		b	Impor		c.[For on-site use/processin					
3.2 Process: a. As a react		ъ.	As a fo	ormulatio	n c.[As an article					
d. Repackagi	ng only		J compo	ment	•	component					
3.3 Otherwise Used: a. As a chemprocessing		b	Asan	nanufacti	uring ald c.	Ancillary or o	ther use				
4. MAXIMUM AMOUNT OF THE CHEMI	CAL ON	SITE AT	ANV T	ME DU	RING THE CALE	JDAR VEAR					
(enter code)	OAL OIL	JITE AT									
5. RELEASES OF THE CHEMICAL TO TH	IF FNVIR	ONMEN	т								
3. HELEAGES ST. THE ST.EMST.E. T.S. T.				tal Relea	se	B. Basis of					
You may report releases of less than 1,000 lbs. by checking ranges under A.1.		Rep	A.1 orting R	(lbs/yr) anges 500-999	A.2 Enter Estimate	Estimate (enter code)					
5.1 Fugitive or non-point air emissions	5.1a					5.1b					
5.2 Stack or point air emissions	5.2a					5.2b					
5.3 Discharges to water 5.3.1	5.3.1a					5.3.1b	C. % From Stormwater 5.3.1c				
(Enter letter code from Part I Section 3. 10 for streams(s).) 5.3.2	5.3.2a					5.3.2b	5.3.2c				
5.3.3	5.3.3a					5.3.3b	5.3.3c				
5.4 Underground injection	5.4a					5.4b					
5.5 Releases to land	5.5.1a			-		5.5.1b					
5.5.2 (enter cc de)	5.5.2a					5.5.2b					
5.5.3 (enter code)	5.5.3a					5.5.3b					
(Check if additional information is provided on Part IV-Supplemental Information.)											

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PART III. CHEMICAL SPECIFIC INFORMATION											
1. CHEMICAL IDENTITY											
1.1 Trade Secret (Provide a generic name in 1.4 below. Attach substantiation form to this submission.)											
1.2 CAS # 7440-0	1.2 CAS # 7440 - 02 - 0 (Use leading zeros if CAS number does not fill space provided.)										
Chemical or Chemical Category Name NICKEL											
Generic Chemical Name (Complete only if 1.1 is checked.) 1.4											
MIXTURE COMPONENT IDENTITY	(Do not c	omplete	this secti	on if you	have completed Se	ction 1.)					
2. Generic Chemical Name Provided by Supplier			····				nctuation)).				
3. ACTIVITIES AND USES OF THE CHEM	/ICAL AT	THE F	ACILITY	(Check	all that apply.)						
3.1 Manufacture: a. Produce		ъ. Г	Impor		с. Г	For on-site					
□ For colo (ÿ. <u>∟</u>			L	── use/processin ──	_				
d. distributio	n	e	Asa	byproduc 	f. [As an impurit	у				
3.2 Process: a. As a reac	tant	ъ. [As a f	ormulationent	on c.[As an article component					
d. Repackag	ng only										
3.3 Otherwise Used: a. As a chemprocessing		ъ. [Asaı	manufact	uring aid c.	Ancillary or o	ther use				
4. MAXIMUM AMOUNT OF THE CHEMI	CAL ON	SIIE AI	ANYI	IME DU	HING THE CALER	NDAH YEAR					
A DELEASE OF THE OUTLINGAL TO THE	(E END ((E	0111451	17								
5. RELEASES OF THE CHEMICAL TO TH	IE ENVIR	ONMEN		tal Relea	ıse	B. Basis of					
You may report releases of less than			A.1	(lbs/yr)	A.2	Estimate (enter code)					
1,000 lbs. by checking ranges under A.1.		Rej 0	porting F 1-499	Ranges 500-999	Enter Estimate						
5.1 Fugitive or non-point air emissions	5.1a					5.1b					
5.2 Stack or point air emissions	5.2a					5.2b					
5.3 Discharges to water 5.3.1	5.3.1a					5.3.1b	C. % From Stormwater 5.3.1c				
(Enter letter code from Part I Section 3.10 for streams(s).) 5.3.2	5.3.2a					5.3.2b	5.3.2c				
5.3.3	5.3.3a					5.3.3b	5.3.3c				
5.4 Underground injection	5.4a					5.4b					
5.5 Releases to land 5.5.1 (enter code)	5.5.1a					5.5.1b					
5.5.2 (enter code)	5.5.2a					5.5.2b					
5.5.3 (enter code)	5.5.3a					5.5.3b					
(Check if additional information is provided on Part IV-Supplemental Information.)											

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Chemical or Chemical Category Name Compose Chemical Category Name Complete Chemical Name (Complete only if 1.1 is checked.)	PART	III. CHEMICA	AL SPEC	IFIC INF	ORMA	TION						
1.2 CAS # 7 7 7 9 - 5 (Use leading zeros if CAS number does not fill space provided.) 1.3 Chemical or Cheropeal Category Name	1. CHEMICAL IDENTITY											
Chemical or Chemical and Chemical and Chemical or Chemical And Provided by Supplier Climit the name to a maximum of 70 characters (e.g., numbers, tetters, spaces, punctuation)). 3. ACTIVITIES AND USES OF THE CHEMICAL AT THE FACILITY (Check all that apply.) 3. ACTIVITIES AND USES OF THE CHEMICAL AT THE FACILITY (Check all that apply.) 3. ACTIVITIES AND USES OF THE CHEMICAL AT THE FACILITY (Check all that apply.) 4. For sale/ distribution c. As a byproduct f. As a byproduct f. As an article component d. Repackaging only 3. Otherwise Used: a. As a reactant b. As a formulation c. An an article component d. Repackaging only 4. MAXIMUM AMOUNT OF THE CHEMICAL ON SITE AT ANY TIME DURING THE CALENDAR YEAR 5. SELEASES OF THE CHEMICAL TO THE ENVIRONMENT 7. Total Release 8. Basis of Estimate 9. Proporting Ranges 9. Proporting Ranges 9. Section 3. 10 for streaming 1. 5.3.1a 9. Solo-opporting Ranges 9. S	Trade Secret (Provide a generic name in 1.4 below. Attach substantiation form to this submission.)											
1.3 Manufacture:	1.2 CAS# 74	2 CAS # 7439-96-5 (Use leading zeros if CAS number does not fill space provided.)										
MIXTURE COMPONENT IDENTITY (Do not complete this section if you have completed Section 1.) Mixture Mi	Chemical or Chemical Category Name											
2. Generic Chemical Name Provided by Supilier (Limit the name to a maximum of 70 characters (e.g., numbers, letters, spaces, punctuation)). 3. ACTIVITIES AND USES OF THE CHEMICAL AT THE FACILITY (Check all that apply.) 3.1 Manufacture: a. Produce b. Import c. For on-elfe user/processing d. Growth of the user/processing and d. Growth of the user/processing	Generic Chemical Name (Complete only if 1.1 is checked.)											
3.1 Manufacture: a.												
3.1 Manufacture: a.												
As a reactant b. As a formulation c. As an impurity	3. ACTIVITIES AND USES C	F THE CHEN	/ICAL AT	THE FA	CILITY	(Check	all that apply.)					
3.2 Process: a. As a reactant b. As a formulation component d. Repackaging only 3.3 Otherwise Used: a. As a chemical processing aid b. As a manufacturing aid c. Ancillary or other use 4. MAXIMUM AMOUNT OF THE CHEMICAL ON SITE AT ANY TIME DURING THE CALENDAR YEAR Selection of the chemical processing aid A. Total Release (lbs/yr) A. Total Release (lbs/yr) B. Basis of Estimate (enter code) 5. RELEASES OF THE CHEMICAL TO THE ENVIRONMENT A. Total Release (lbs/yr) B. Basis of Estimate (enter code) 5.1 Fugitive or non-point air emissions 5.1a Reporting Ranges 0 1-499 500-999 Fine letter goods from Part Solution 3.10 for streams(s). 5.3.1a 5.3.1a 5.3.2a 5.3.2a 5.3.2b 5.3.3c 5.3.3c 5.4 Underground Injection 5.5.1a 5.5.2a 5.5.2b 5.5.2b 5.5.2b 5.5.2b 5.5.2b 5.5.2b 5.5.2b 5.5.3b	3.1 Manufacture: a.	Produce		ъ. [Impor	-t	c.[ing			
As a chemical processing aid b. As a manufacturing aid c. Ancillary or other use 4. MAXIMUM AMOUNT OF THE CHEMICAL ON SITE AT ANY TIME DURING THE CALENDAR YEAR A	d.[n	e	Asal	byproduc	t f.[As an impur	ity			
As a chemical processing aid b. As a manufacturing aid c. Ancillary or other use	3.2 Process: a.[As a reac	tant	ъ			on c.)			
4. MAXIMUM AMOUNT OF THE CHEMICAL ON SITE AT ANY TIME DURING THE CALENDAR YEAR O S (enter code)	d.[Repackag	ng only									
Section 3.10 for streams(s). S. 3.1	3.3 Otherwise Used: a.[ъ	Asar	manufact	uring aid c.	Ancillary or	other use			
Section 3.10 for streams(s). S. 3.1	4 MANUALINA ANAOLINIT OF	THEOLITA		OITE AT	4 N N / T	INAE DUU	DINO THE ONE	NDAD VEAD				
A. Total Release (lbs/yr)	······································	THE CHEM	CAL ON	SIIE AI	ANYI	IIVIE DUI	KING THE CALE	NDAR YEAR				
A. Total Release (lbs/yr)	F DELEASES OF THE CHE	MICAL TO TH	IE ENIVIR	ONMEN	IT							
You may report releases of less than 1,000 lbs. by checking ranges under A.1. A.1 Reporting Ranges 500-999 A.2 Enter Estimate (enter code) 5.1 Fugitive or non-point air emissions 5.1a 5.1b 5.1b 5.1b 5.2 Stack or point air emissions 5.2a 5.2b 5.2b 5.3.1b C. % From Stormwater 5.3.1c 5.3 Discharges to water Section 3.10 for streams(s) 5.3.2a 5.3.2a 5.3.2b 5.3.2c 5.3.3 Discharges to water Section 3.10 for streams(s) 5.3.2a 5.3.2b 5.3.2c 5.3.2 Discharges to water Section 3.10 for streams(s) 5.3.3a 5.3.2b 5.3.2c 5.3.3 Discharges to water Section 3.10 for streams(s) 5.3.2a 5.3.2b 5.3.2c 5.3.2 Discharges to land Section 3.10 for streams(s) 5.4a 5.4b 5.5.1b 5.5 Releases to land Section 3.5.1 Discharges (enter code) Section 3.5.2b 5.5.2a 5.5.2b 5.5.2b 5.5.3 Discharges to water Section 3.10 for streams(s) 5.5.2a 5.5.2b 5.5.3b	or realizable of the other	VIII - 10 11		<u> </u>			ase					
5.2 Stack or point air emissions 5.2a 5.2b	You may report releases of le 1,000 lbs. by checking ranges	ss than under A.1.			orting F	langes	Enter)			
5.3 Discharges to water (Enter letter code from Part) 5.3.1	5.1 Fugitive or non-point al	r emissions	5.1a					5.1b				
5.3 Discharges to water (Enter letter code from Part Section 3. 10 for streams(s).) 5.3.1a 5.3.1b 5.3.1c 5.3.2	5.2 Stack or point air emiss	lons	5.2a		·			5.2b				
5.3.2	<u> </u>	5.3.1	5.3.1a					5.3.1b				
5.4 Underground injection 5.4a 5.4b	Section 3. 10 for streams(s).)	5.3.2	5.3.2a					5.3.2b	5.3.2c			
5.5 Releases to land 5.5.1		5.3.3	5.3.3a					5.3.3b	5.3.3c			
5.5.1	5.4 Underground injection		5.4a					5.4b				
5.5.2		te)	5.5.1a					5.5.1b				
	5.5.1		5.5.2a					5.5.2b				
(Check if additional information is provided on Part IV-Supplemental Information.)	5.5.3 (enter coo	le)	5.5.3a					5.5.3b				
	(Check If additional Information	n is provided on	Part IV-Sup	plemental	Informati	on.)						